Wormhole Queue Data Tables

Hardware — **Database of information shared between local server and queue**
Box to server:
Box name	Name associated with the box / table
phClass	Course identifier as a string (for each request)
ping	Battery status update [Every (3) minutes]

Server to queue for each request:
Authentication code	Static "password" authenticating the request is real
Box name	Name associated with the box / table
Index	Incremented each time box sends a request
phClass	Course identifier as a string

Server to queue status update Update includes information for each box:
Box name	Name associated with the box / table
Battery status	Green (good) / Yellow (charge soon) / Orange (charge now) / Red (non-responsive).
Box alert	Confirmation every 10 minutes or sooner if a box is offline > 4 minutes

Queue to server:
Confirmation	Confirms that a request was accepted. Include request number?

Tickets — **Database of ticket information**
ID	Numerical ID unique for each ticket
student name	Virtual identifier or "Student##" for in-person request
table number	Table in the room making the request or "On-line"
phClass	Course identifier
status	Open, Assigned, Closed (and closing status)
created_at	Submission time
updated_at	Last time ticket information was changed
deactivated_time	Time when (last) WA closes the ticket (or it's cleared)
number of students	Entered by WA when ticket is closed
current TA	WA assigned to the ticket

User — **Database of Wormhole Assistants**
ID	Numerical index unique for each WA
Username	Typically the WA's ONID
Email	OSU email address
Password	Set by user
Name	WA's name
admin (status)	Whether or not an administrator
created _at	When account was created
updated_at	Latest time a ticket is addressed (or WA logged in)

current ticket   ID of any ticket currently assigned
active   "No" for archived WA's
* Will need to be restructured if we use ONID authentication
May add "role" in the future (admin, grad, undergrad, faculty, …)

<u>Associations</u>   **Tracks every time a ticket is touched**
ID   Association ID
ticket ID   Same as Ticket ID
TA ID   Same as WA ID
Status   Same as Ticket Status (unless requeued)
time_created   When ticket was assigned to WA
time_deactivated   When WA closed ticket